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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. Serial No.: 10/679,166
Filing Date: October 3, 2003
Applicant(s): Szakelyhidi, Jr., et al.
Title: MAGNETIC TARGETING DEVICE

Group Art Unit: 3763
Examiner:
Attorney Docket No.: 34548.208

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

To the Commissioner:

Pursuant to 37 C.F.R. 1.56, applicants submit herewith patents, publications or other information of which they are aware that they believe may be material to the examination of this application, and in respect of which there may be a duty to disclose. Since the application was filed (or entered national stage) after June 30, 2003, the PTO-1449 is not accompanied by any copies of cited U.S. patents or U.S. patent application publications. The following sections are being submitted for this Information Disclosure Statement:

[X] Form PTO-1449
[X] Patents or Publications

Applicants respectfully request that these publications be expressly considered during the prosecution of this application and made of record herein and appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,

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Substitute for form 1449A/PTO				*Complete if Known*	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				**Application Number**	10/679,166
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(*Use as many sheets as necessary*)				**First Named Inventor**	David C. Szakelyhidi
				Group Art Unit	3763
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U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
		4,103,683		Neufeld	08-01-1978	
		4,621,628		Brudermann	11-11-1986	
		4,622,959		Marcus	11-18-1986	
		4,625,718		Olerud et al.	12-02-1986	
		4,667,664		Taylor et al.	05-26-1987	
		4,733,654		Marino	03-29-1988	
		4,805,607		Engelhardt et al.	02-21-1989	
		4,817,591		Klaue	04-04-1989	
		4,846,162		Moehring	07-11-1989	
		4,848,327		Perdue	07-18-1989	
		4,881,535		Sohngen	11-21-1989	

Examiner Signature		Date Considered	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
			WO 98/32387		Krause	07-30-1998		
			EP1099413		Schlumbohm	05-16-2001		

Examiner Signature		Date Considered	

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		Number	Kind Code (if known)			
		4,911,153		Border	03-27-1990	
		4,913,137		Azer et al.	04-03-1990	
		5,034,013		Kyle et al.	07-23-1991	
		5,047,034		Sohngen	09-10-1991	
		5,049,151		Durham et al.	09-17-1991	
		5,167,663		Brumfield	12-01-1992	
		5,178,621		Cook et al.	01-12-1993	
		5,251,127		Raab	10-05-1993	
		5,305,203		Raab	04-19-1994	
		5,411,503		Hollstien et al.	05-02-1995	
		5,417,688		Elstrom et al.	05-23-1995	
		5,458,602		Goble et al.	10-17-1995	
		5,472,444		Huebner et al.	12-05-1995	

Examiner Signature		Date Considered	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
			CN2403376U		Gong et al.	11-01-2000*		
			CN2403375U		Gong et al.	11-01-2000*		

Examiner Signature		Date Considered	

*English abstract not available.

Substitute for form 1449A/PTO				*Complete if Known*	
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		Number	Kind Code (if known)			
		5,489,284		James et al.	02-06-1996	
		5,514,145		Durham et al.	05-07-1996	
		5,540,691		Elstrom et al.	07-30-1996	
		5,562,667		Shuler et al.	10-08-1996	
		5,584,838		Rona et al.	12-17-1996	
		5,611,353		Dance et al.	03-18-1997	
		5,617,857		Chader et al.	04-08-1997	
		5,658,287		Hofmann et al.	08-19-1997	
		5,707,375		Durham et al.	01-13-1998	
		5,728,128		Crickenberger et al.	03-17-1998	
		5,748,767		Raab	05-05-1998	
		5,779,705		Matthews	07-14-1998	
		5,879,352		Filoso et al.	03-09-1999	

Examiner Signature		Date Considered	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
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		Number	Kind Code (if known)			
		5,891,158		Manwaring et al.	04-06-1999	
		5,935,127		Border	08-10-1999	
		5,951,561		Pepper et al.	09-14-1999	
		5,957,847		Minakuchi et al.	09-28-1999	
		5,987,960		Messner et al.	11-23-1999	
		6,036,696		Lambrecht et al.	03-14-2000	
		6,039,739		Simon	03-21-2000	
		6,039,742		Krettek et al.	03-21-2000	
		6,074,394		Krause	06-13-2000	
		6,081,741		Hollis	06-27-2000	
		6,093,192		Abel	07-25-2000	
		6,106,528		Durham et al.	08-22-2000	

Examiner Signature		Date Considered	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
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		6,129,729		Snyder	10-10-2000	
		6,162,228		Durham	12-19-2000	
		6,168,595		Durham et al.	01-02-2001	
		6,183,477		Pepper	02-06-2001	
		6,200,316		Zwirkoski et al.	03-13-2001	
		6,205,411		DiGioia, III et al.	03-20-2001	
		6,214,013		Lambrecht et al.	04-10-2001	
		6,296,645		Hover et al.	10-02-2001	
		6,309,396		Ritland	10-30-2001	
		6,443,954		Bramlet et al.	09-03-2002	
		6,503,249		Krause	01-07-2003	
		6,517,541		Sesic	02-11-2003	

Examiner Signature		Date Considered	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document Office	Foreign Patent Document Number	Foreign Patent Document Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

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		Number	Kind Code (if known)			
		6,562,042		Nelson	05-13-2003	
		20020029041		Hover et al.	03-07-2002	
		20020045900		Harder et al.	04-18-2002	
		20020151897		Zirkle, Jr.	10-17-2002	
		20020173792		Severns et al.	11-21-2002	
		20020161369		Bramlet et al.	10-31-2002	
		20020133172		Lambrecht et al.	09-19-2002	
		20030069581		Stinson et al.	04-10-2003	

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FOREIGN PATENT DOCUMENTS

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
		Semiconductor Sensors Data Handbook SC17, Philips Electronics, September 2000	
		(1999) 20th Century Orthopaedics. *The American Academy of Orthopaedic Surgeons* 47	
		(2001) Femur fracture care frequent cause of lawsuit. *American Academy of Orthopaedic Surgeons* 49	
		Catamo, L., Rotini, R., Rocca, M., Giardino, R., and Fontanesi, G. (1998) Distal centering in locked intramedullary osteosynthesis of the femur: use of a magnet-resistant probe. *Chir Organi Mov* 83, 375-379	
		Conn, K.S. and Hallett, J.P. (1998), A simple laser guide to reduce the screening time during the insertion of dynamic hip screws, *Injury* 29, 539-541	
		Durham, A.A. and Crickenberger, D.P. (1998) Magnetic Distal Targeting for Modular Intramedullary Nails, *Techniques in Orthopaedics* 13, 71-78	
		Garcia-Lopez, A., Marco, F., and Lopez-Duran, L. (1998) Unreamed intramedullary locking nailing for open tibial fractures, *Int. Orthop.* 22, 97-101	
		Hems, T.E.J.. and Bhullar, T.P. (1996), Interlocking nailing of humeral shaft fractures: the Oxford experience 1991 to 1994, *Injury* 27, 485-489	
		Karachalios, T., Babis, G., Tsarouchas, J., Sapkas, G., and Pantazopoulos, T. (2000) The clinical performance of a small diameter tibial nailing system with a mechanical distal aiming device. *International Journal of the Care of the Injured* 31, 451-459	
		Kelley, S.S., Bonar, S., Hussamy, O.D., and Morrison, J.A. (1995) A simple technique for insertion of distal screws into interlocking nails. *J.Orthop.Trauma* 9, 227-230	
		Knothe, U., Knothe Tate, M.L., Klaue, K., and Perren, S.M. (2000) Development of a new self-locking intramedullary nail system: Testing of handling aspects and mechanical properties, *International Journal of the Care of the Injured* 31, 617-626	

Examiner Signature		Date Considered	

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		Krettek, C., Konemann, B., Mannss, J., Schandelmaier, P., Schmidt, U., and Tscherne, H. (1996) [Analysis of implantation-induced nail deformation and roentgen morphometric studies as the principle for an aiming device for distal interlocking nailing without roentgen image intensification]. *Unfallchirurg* 99, 671-678	
		Krettek,C., Konemann,B., Miclau,T., Schlandermaier,P., and Blauth,M. (1997) In vitro and in vivo radiomorphic analyses of distal screw hole position of the solid tibial nail following insertion. *Clinical Biomechanics* 12, 198-200	
		Krettek, C., Konemann, B., Miclau, T., Kolbli, R., Machreich, T., Kromm, A., and Tscherne, H. (1998) A new mechanical aiming device for the placement of distal interlocking screws in femoral nails. *Arch Orthop.Trauma Surg* 117, 147-152	
		Krettek, C., Konemann, B., Farouk, O., Miclau, T., Kromm, A., and Tscherne, H. (1998) Experimental study of distal interlocking of a solid tibial nail: radiation-independent distal aiming device (DAD) versus freehand technique (FHT), *J. Orthop.* Trauma 12, 373-378	
		Larsen, S.E., Nielsen, K.S., Larsen, M.S., and Kristensen, S.S. (2000) Treatment of femoral shaft fractures with Grosse-Kempf intramedullary nail, *Journal of Orthopaedic Science* 5, 328-332	
		Lepore, S., Capuano, N., Lepore, L., and Romano, G. (2000) Preliminary clinical and radiographic results with the Fixion intramedullary nail: an inflatable self-locking system for long bone fractures, Journal of Orthopaedic Traumatology 3, 135-140	
		Mahaisavariya, B., Laupattarakasem, W., and Kosuwon, W. (1992) An aiming device for distal locking in closed locked femoral nailing. *Injury* 23, 143-144	
		Markmiller, M., Tjarksen, M., Mayr, E., and Ruter, A. (2000) The unreamed tibia nail: Multicenter study of the AO/ASIF, Langbecker's Arch Surg 385, 276-283	
		Pennig, D., Oppenheim, W., Faccioli, G., and Rossi, S. (1997) Intramedullary locked nailing of femur and tibia: Insertion of distal locking screws without image intensifier. *Injury* 28, 323-326	

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		Pispati, V.G. and Reddy, M.R. (1995), Complications in tibial interlocking nailing	
		Slomczykowski, M.A., Hofstetter, R., Sati, M., Krettek, C., and Nolte, L.P. (2001) Novel computer-assisted fluoroscopy system for intraoperative guidance: feasibility study for distal locking of femoral nails. *J.Orthop.Trauma* 15, 122-131	
		Tyropoulos, S. and Garnavos, C. (2001) A new distal targeting device for closed interlocking nailing. *International Journal of the Care of the Injured* 32, 732-735	
		Viant, W.J., Phillips, R., Griffiths, J.G., Ozanian, T.O., Mohsen, A.M., Cain, T.J., Karpinski, M.R., and Sherman, K.P. (1997) A computer assisted orthopaedic surgical system for distal locking of intramedullary nails. *Proc.Inst.Mech.Eng [H.]* 211, 293-300	
		Walcher, F., Frank, J., and Marzi, I. (2000), Retrograde Nailing of Distal Femoral Fracture-Clear and Potential Indications, *European Journal of Trauma* 26, 155-168	
		Waldron, V.D. (2000), Targeting device for pinning finger fractures, Am.J.Orthop. 29, 733	
		Zacheja, J., Bach, T., and Clasbrummel, B. (2000) Application of Microsensors for Minimally Invasive Vascular Flow Measurements and Fracture Repair Systems., Hanover, Germany	
		Orthomatrix® Magellan I.M. Nail System, 2 pages	
		http://www.medmedia.com, Wheeless' Textbook of Orthopaedics, Synthes IM Femoral Nail Insertion Technique, 2 pages	
		http://www.medmedia.com, Wheeless' Textbook of Orthopaedics, Femoral..., 3 pages	
		http://www.medmedia.com, Wheeless' Textbook of Orthopaedics, Proximal Inter-Locking for Synthes Nail, 2 pages brochure	
		http://www.biometmerck.com, Femoral Nails, Total Solution for Trauma, ST-Pro Femoral Nailing System, 3 pages brochure	
		http://www.medmedia.com, Wheeless' Textbook of Orthopaedics, Distal Inter-Locking, 3 pages	

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